H. R. 386.

IN THE SENATE OF THE UNITED STATES,

SEPTEMBER 25, 1850.

Read twice, and referred to the Committee on Commerce.

SEPTEMBER 28, 1850.

Reported without amendment, considered as in Committee of the Whole, and ordered to lie on the table.

DECEMBER 10, 1850.

Considered as in Committee of the Whole, and re-committed to the Committee on Commerce.

FEBRUARY 15, 1851.

Reported with amendments, viz: strike out the parts within [brackets] and insert those printed in italics.

AN ACT

To amend an act entitled "An act to provide for the better security of the lives of passengers on board of vessels propelled in whole or in part by steam."

- 1 Be it enacted by the Senate and House of Repre-
- 2 sentatives of the United States of America in Congress
- 3 assembled, That no license, under the provisions of this or
- 4 the act to which this is an amendment, shall be granted, or
- 5 other papers issued by any collector, to any vessel pro-
- 6 pelled in whole or in part by steam, until he shall have
- 7 satisfactory evidence that all the provisions of this act have
- 8 been fully complied with; and if any such vessel shall be

9 navigated, with freight or passengers on board, without 10 complying with the terms of this act, the owners thereof, 11 and the vessel itself shall be subject to the penalties con-12 tained in the second section of the act to which this is an 13 amendment

Sec. 2. And be it further enacted, That it shall be the 1 duty [both] of the inspectors [of the hulls of steamers, and 2 the inspectors of boilers and engines to examine and see 3 that suitable and safe provisions are made throughout 4 such vessels, to guard against loss or danger from fire, and 5 no license on any application shall be granted, if any com-6 bustible material liable to take fire from heated iron, or any 7 other heat generated on board of such vessels in and about 8 the boilers, pipes, or machinery, shall be placed at less 9 than eighteen inches distant from such heated metal or 10 other substance likely to cause ignition, unless a column 11 of air or water intervenes between such heated surface and 12 any wood or other combustible material so exposed, suffi-13 cient, at all times, and under all circumstances, to prevent 14 ignition; and further, when wood is so exposed to ignition, 15 as an additional preventive, it shall be shielded by some 16 incombustible material in such manner as to leave the air 17 to circulate freely between such material and the wood. 18

1 Sec. 3. And be it further enacted, That every ves-2 sel so propelled by steam, and carrying passengers, shall

have not less than three forcing pumps of at least six inch 3 chamber, two to be worked by hand, and one by steam, if 4 steam can be employed, otherwise by hand; one whereof 5 shall be placed near the stern, one near the stem, and one 6 amidship; each having a suitable, well-fitted hose of at 7 least two-thirds the length of the vessel, kept at all times 8 9 in perfect order and ready for immediate use; each of which pumps shall also be supplied with water by a pipe 10 connected therewith, and passing through the side of the 11 vessel, so low as to be at all times in the water when she 12 is afloat: Provided, however, That any steamer which 13 14 shall not at any time carry more than fifty passengers, shall not be required to have more than two such pumps, 15 one of which shall be prepared to work by steam as afore-16 17 said.

1 Sec. 4. And be it further enacted, That every such vessel, carrying passengers, shall have at least two boats 2 3 supplied with oars, in good condition at all times for ser-4 vice, one of which boats shall be a metalic life-boat, fire-5 proof, of approved model, not less than twenty-five feet 6 long, six feet six inches wide, and two feet deep, and in all 7 respects a good, substantial, safe sea-boat, capable of sustaining, inside and outside, fifty persons, and having a can-8 9 vas fender around the gunwale, filed with cork, of not less 10 than six inches in diameter, with life-lines attached thereto

at suitable distances. And every such vessel carrying 11 more than fifty passengers, shall also have a similar boat 12 for every additional fifty passengers, or, instead thereof, 13 for every such number, a good, substantial, safe, wooden 14 life-boat, of suitable model, fitted with life-lines in manner 15 aforesaid, and capable of sustaining, inside and outside, 16 that number of persons; [and not more than two such 17 boats shall be of wood for each steamer:] Provided, how-18 ever. That ferry and tow boats shall be exempt from the 19 obligation to carry the life-boats herein provided for: and 20 the inspectors are hereby authorized to grant a like dispen-21 sation to small steamers of light draft, navigating small 22 or shallow rivers: Provided, They shall be fully satisfied 23 that such steamers have other provisions for the preserva-24 tion of life in case of fire, which are amply sufficient for 25 that purpose. 26

Sec. 5. And be it further enacted, That every such 1 vessel, carrying passengers, shall also be provided with a 2 3 good life-preserver, made of cork, double tin, or copper. for each and every person on board, which life-preservers 4 shall always be distributed and kept in readiness in the 5 berths and state rooms for the benefit of passengers occu-6 pying the same, and also in the most conspicuous and 7 suitable place for all others; and shall also keep after the 8 rate of eight fire buckets and three axes for every hun-9

- dred tons measurement of the vessel, which shall always 10 11
- be kept distributed in a suitable manner and in good order,
- ready to be used in case of fire. 12
 - Sec. 6. And be it further enacted, That no curtains l
- made of cotton, or of any material alike combustible, shall ટ
- be suspended or used in any such vessel carrying passen-3
- gers; nor shall powder, oil of turpentine, or materials which 4
- ignite by friction, be carried on any such vessels as freight; 5
- and when kept on board as stores, they must be placed in 6
- 7 metallic vessels.
- 1 [Sec 7. And be it further enacted, That it shall be
- the duty of each collector, to cause any and all such ves-2
- 3 sels arriving in or departing from his district, to be exam-
- ined at any and all times without notice, when he may deem 4
- such examinations necessary or expedient to secure the 5
- faithful execution of this act; and the officer so examining 6
- 7 shall report any omission to comply with the terms herein
- 8 prescribed; and shall in such report state the particulars
- 9 of the deficiency, and thereupon the collector shall com-
- 10 municate the same to the district attorney, who shall pro-
- 11 ceed against the delinquent or delinquents according to the
- 12 provisions of this and the act to which it is an amendment.
 - 1 Sec. 8. And be it further enacted, That all boilers
- 2 to which the heat is applied to the external surface, shall
- 3 be tested with a hydraulic press every six months; and all

boilers to which the heat is applied to the internal surface, 4 shall be tested every six months during which such boilers 5 may be in actual service; the safety valve of all such boilers 6 as are tested, shall be loaded at sixty-five one-hundredths of 7 the strain applied by the press, and any engineer, captain, 8 or owner, allowing a greater pressure to be used than is 9 fixed by the inspector, shall be deemed guilty of a misde-10 meanor, and any loss of life growing out of the use of such 11 excess of steam, shall be deemed manslaugther; and any in-12 spector, who shall inspect a steamer which shall take fire, 13 explode, or sink from decay, by which loss of life occur, 14 shall be subject to a fine of three hundred dollars, unless 15 said inspector shall prove that such loss was the result of 16 neglect on the part of the crew, captain, owners, or engi-17 neers of said steamer: Provided, Such liability shall not 18 extend beyond the term for which said inspector gave such 19 steamer a certificate; and instead of the inspectors now 20 provided by law, there shall be one inspector of hulls, and 21 two inspectors of boilers and engines, and machinery, who 22 shall inspect all such vessels. The inspectors of machine-23 ry shall provide themselves with a suitable press for testing 24 the strength of boilers, and shall see that all steamers to 25 which this law applies, are equipped and fitted as herein 26 provided. The inspectors of hulls shall annually inspect 27 all steamers that have been in service three years or more; 28

and the inspectors of boilers and machinery shall receive 29 30 from the collectors of the port where such steamers are registered as he may have inspected, the sum of twenty 31 dollars per annum for each steamer so inspected, payable 32 33 at the end of the year after such services shall have been . 4 rendered. Inspectors of hulls shall receive ten dollars per annum for the inspection of all such steamers as have been 35 in commission three years or more, and no collector shall 36 37 grant a license to any steamer until the master or owner pay to said collector the sum required to be paid for the 38 39 inspection of such steamers during the succeeding year.] Sec. 7. And be it further enacted, That instead of 1 the existing provisions of law for the inspection of steam-2 ers and their employment, the following regulations shall 3 be observed to wit: The collectors of the customs and 4 the president of the chamber of commerce, if there be 5 one, otherwise the president of the board of trade, if there 6 be one, otherwise the collector alone, in each of the follow-7 ing collection districts, namely, New Orleans and St. 8 Louis, on the Mississippi; Louisville, Cincinnati, Wheel-9 ing, and Pittsburg, on the river Ohio; Buffalo and Cleve-10 land, on Lake Erie; Detroit upon Detroit river; Nashville 11 upon the Cumberland river; Milwaukie and Chicago, on 12 Lake Michigan; and Mobile in Alabama; shall designate 13 three inspectors of good and suitable qualifications, to 14

perform the services required of them by this act within 15 their respective districts; one of whom, from his practical 16 knowledge of ship building, shall be fully comptent to 17 make a reliable estimate of the strength, sea worthiness, 18 and other qualities of the hulls of steamers deemed essen-19 tial to safety of life and property, when such vessels are 20 employed in navigation; another of whom, from his 21 knowledge and experience of the duties of an engineer em-22 ployed in navigating vessels by steam, and also in the con-23 struction and use of boilers and the machinery and ap-24 purtenances therewith connected, shall be able to form a 25 reliable opinion of the quality of the material, the strength, 26 workmanship, and suitableness of such boilers and ma-27 chinery to be employed in navigation, without hazard to 28 life or property, from imperfections in the material, work-29 manship, or arrangement of any part of such apparatus 30 for steaming; another of whom, shall be a pilot of known 31 experience upon the waters navigated to and from the 32 district for which he is appointed; and the three persons 33 thus designated, if approved by the President, shall be, 34 from the time of such designation, inspectors vested with 35 the powers, and subject to the duties herein provided for. 36 Once in every six months at least, they shall 37 carefully inspect the hull of each steamer belonging to 38 their respective districts and employed in navigation, and 39

shall satisfy themselves that each vessel so submitted to 40 their inspection, is of a structure suitable for the service 41 42 in which she is to be employed, and in a condition to warrant the belief that she may be used in navigation as 43 44 a steamer, with safety to life and property, and that all the requirements of law in regard to fires, boats, pumps, 45 hose, life preservers, and other things, are faithfully com-46 plied with; and if they deem it expedient, they may direct 47 the vessel to be put in motion, and may adopt any suit-48 49 able means to test the sufficiency of her equipment. They shall also once in every six months, in-50 Second. spect the boilers of such steamers, subjecting them to a 51 hydrostatic pressure, the limit to which may be prescribed 52 by the owner or the master, and shall satisfy themselves 53 by examination and experimental trials, that the boilers **54 55** are well made, of good and suitable material, and that they and the machinery and the appurtenances may be 56 57 safely employed in the service proposed in the written ap-58 plication, without peril to life or property. And shall also satisfy themselves that the safety valves are of suit-**59** 60 able dimensions, well arranged and in good working or-61 der; that there is a suitable number of guage cocks inserted in the most approved manner, and that adequate 62 63 and certain provision is made for an ample supply of

64	water to feed the boilers at all times whether the vessel is
65	in motion or not.
66	Third. That after they have subjected the valves to
67	the test aforesaid, they shall prescribe the maximum
68	weight with which each valve shall be loaded, which load
69	shall be such as not to cause a pressure exceeding two-
70	thirds of that of the test aforesaid, and they shall also
71	determine whether the load shall consist of one or more
72	weights designating the number; but no boiler or pipe
73	shall be approved which is made of unsuitable or unsafe
74	material, or which is unsafe from defective workmanship,
75	age, use, or any other cause.
76	Fourth. That when the inspection in detail is completed
77	and the inspectors approve of the vessel and her equipment
78	throughout, they or two of them at least, shall make and
79	subscribe a certificate to the collector of the district sub-
80	stantially, as follows:
81	State of District of
82	Application having been made in writing by
83	to the subscribers, inspectors for said district, to
84	examine the steamer of whereof
85	are owners, and is master, we have
86	performed that service; now on this day of
87	A. D. do certify that she was built in the year

that she is in all respects staunch and sea-worthy, having

suitable communications from the lower to the upper deck 89 in case of fire; that her boilers were made in the year 90 that we have subjected them to a pressure of 91 to the square inch; that the safety valves are of suitable 92 dimensions and satisfactorily constructed; that the maxi-93 mum weight upon each valve is limited to giving a 94 which does not exceed thirds of 95 pressure of the test; that the number of weights making the load 96 ; that the number and arrange-97 upon each valve is ment of the guage cocks is satisfactory; that the provi-98 sions for supplying the boilers with water are ample and 99 certain; that the machinery is in good working order; 100 that the equipment of the vessel throughout, including 101 pipes, pumps, hose, boats, life-preservers and other things, 102 is in conformity to the provisions of law; and that we 103 declare it to be our deliberate conviction, founded upon 104 the inspection which we have made, that the vessel may 105 be employed as a steamer upon the waters named in the 106 application, without peril to life or property from any 107 $imperfection\ of\ materials,\ work man ship,\ or\ arrangement$ 108 of the several parts, or from age or use. And we fur-109 ther certify, that said vessel is to run within the follow-110 111 ing limits:

112

Which certificate shall be verified by the oaths of

the inspectors signing it, before a person competent by law to administer oaths. And in case the said inspectors do not grant a certificate of approval, they shall state in writing, and sign the same, their reasons for their disapproval.

Fifth. The said inspectors shall keep a regular record of certificates, whether of approval or disapproval, and when recorded the originals shall be delivered to the collector, and they shall keep a like record of all appointments made under this act and all revocations of appointments, and shall communicate to the collector all such appointments and removals.

Whenever any person, claiming to be qual-126 ified to perform the duty of engineer upon steamers, 127 shall apply for a certificate, the board shall examine the 128 applicant and the proofs which he advances in support 129 of his claim, and, if upon full consideration, they are 130 satisfied that the character, habits of life, knowledge, and 131 experience in the duties of an engineer, are all such as to 132 authorize the belief that the applicant is a suitable and 133 safe person to be entrusted with the powers and duties 134 of such a station, they shall give him a certificate to that 135 effect, signed by at least two of the inspectors, in which 136 certificate they shall state the time of the examination. 137

138 and shall assign the appointee to the appropriate class
139 of engineers

Seventh. Whenever any person, claiming to be a skilful 140 pilot, shall offer himself for an appointment, the said 141 board shall make diligent inquiry as to his character 142 and merits, and if satisfied that he possesses the requisite 143 skill and is trustworthy and faithful, they shall give him 144 145 a certificate to that effect, authorizing him to be a pilot within the limits prescribed in the certificate; but any 146 such engineer or pilot, may be removed upon proof of 147 negligence, unskillfulness, inattention to the duties of the 148 station, or any misconduct which, in the judgment of the 149 board, tends to disqualify him, and moreover, all appoint-150 ments and removals shall be submitted to the Secretary 151 of the Treasury by the collector, for his approbation or 152 disapprobation.153

Eighth. In addition to the semi-annual inspection, 154 it shall be their duty to examine steamers arriving and 155 departing, so often as to enable them to detect any ne-156 glect to comply with the requirements of law, and also 157 any defects or imperfections becoming apparent after the 158 inspection aforesaid, and tending to render the naviga-159 tion of the vessel unsafe; which service may be per-160 formed by one of the board, and if he shall discover an 161 omission to comply with the law, or that repairs have 162

become necessary to make the vessel safe, he shall at 163 once notify the master, stating in the notice what is re-164 quired, and if the master deems the requirement unrea-165 sonable or unnecessary, he may take the opinion of the 166 board thereon, which shall be final; and if he shall re-167 fuse or neglect to comply with their requirement, and 168 shall, contrary thereto, employ the vessel by navigating 169 her, she shall be liable to the same penalties as if she 170 had been run without a license; and all inspections and 171 orders shall be promptly made by the inspectors, and 172 where it can be safely done in their judgment, they shall 173 174 permit repairs to be made where those interested can 175 most conveniently do it, and no inspectors of one district shall modify or annul the doings of the inspectors of 176 another district, in regard to repairs, unless there is a 177 change in the state of things demanding more repairs 178 than were thought necessary when the order was made; 179 nor shall the inspectors of one district appoint persons 180 removed in another, or persons rejected for unfitness or 181 want of qualifications. 182

Ninth. The said board, when thereto requested, shall inspect steamers belonging to districts where no such board is established, and if a certificate of approval is not granted, no other inspection shall be made by the same or any other board, until the objections made by

the inspectors are removed; and if any vessel shall be 188 navigated after a board of inspectors have refused to 189 make the collector a certificate of approval, she shall be 190 liable to the same penalties as if she had been run with-191 out a license: Provided, however, That nothing herein 192 contained, shall impair the right of the inspectors to 193 permit such vessel to go to another port for repairs, if, 194 in their opinion, it is safe so to do. 195

The said board of inspectors shall have 196 power to summon before them witnesses, and to examine 197 them under oath, touching the performance of their du-198 ties, by engineers and pilots, and if it shall appear satis-199 factorily that any engineer or pilot is incompetent, or 200 that life or property has been placed in peril by reason 201 of such incompetency, or by negligence or misconduct on 202 the part of any such person, the board shall immediately 203 suspend him and report their doings to the collector. 204

Eleventh. That the said board shall report promptly all their doings to the collector, as well as all omissions or refusals to comply with the provisions of law on the part of any owner or master of a vessel propelled in whole, or in part, by steam.

Twelfth. That it shall at all times be the duty of all engineers and pilots appointed under this act, to assist the inspectors in the examination of the vessels to

which any such engineer or pilot belongs to, and to point 213 out all defects and imperfections in the hull or apparatus 214 for steaming, and also to make known to them at the 2:5 earliest opportunity, all accidents occasioning serious 216 injury to the vessel or her equipment, whereby life or 217 property may be in danger, and in default thereof, any 218 such engineer or pilot shall be dismissed from the 219 220 service.

SEC, 8. And be it further enacted, That in each of 1 the districts of Savannah in Georgia, Charleston in South 2 Carolina, Norfolk in Virginia, Baltimore in Maryland, 3 Philadelphia in Pennsylvania, New York in New York, 4 New Haven in Connecticut, Providence in Rhode Island, 5 Boston in Massachusetts, and Portland in Maine, there 6 shall be but two inspectors, one possessing the requsite 7 qualifications in ship building, the other in engineering 8 and in the construction and qualities of the apparatus 9 for steaming, who shall exercise all the powers herein 10 conferred, except that of appointing pilots for said dis-11 12 tricts.

1 Sec 4. And be it further enacted, That it shall
2 be the duty of each of the collectors for the districts afore3 said, to make known without delay, to the collectors of all
4 the districts herein mentioned, the names of all persons
5 appointed engineers or pilots, and the names of all per-

- 6 sons from whom, upon application, appointments have been
- 7 withheld, and the names of all who have been removed or
- 8 suspended, and also the names of all vessels which ne-
- 9 glect or refuse to make such repairs as may be ordered
- 10 under the provisions of this act, and the names of all for
- 11 which license has been, on application, refused.
 - 1 Sec. 10. And be it further enacted, That it shall
- 2 be the duty of the collectors of the customs, and of the in-
- 3 spectors aforesaid, within the said several districts, to en-
- 4 force the provisions of law against all steamers arriving
- 5 and departing; and upon proof that any collector or in-
- 6 spector has negligently or intentionally omitted his duty
- 7 in this purticular, such delinquent shall be removed from
- 8 office, and shall also be subject to a penalty of one hun-
- 9 dred dollars for each offence, to be sued for in an action
- 10 qui tam, before any court of competent jurisdiction.
 - 1 SEC. 11. And be it further enacted, That the collec-
 - 2 tor shall incorporate the certificate of the inspectors into
 - 3 the license, and shall also furnish to the master a certi-
 - 4 fied copy of such certificate, which he shall place in some
 - 5 conspicuous part of the vessel where it will be most likely
 - 6 to be observed by all passengers and others.
 - 1 SEC. 12 And be it further enacted, That when from
 - 2 darkness, fog, or other cause, the pilot or engineer shall

- 3 be of opinion that the navigation is unsafe, the vessel shall,
 4 if in a river, be brought to anchor as soon as it can be
- 5 prudently done, and no person in command shall be jus-
- 6 tified in pursuing a voyage in a river after being thus ad-
- 7 monished by the engineer or pilot, but shall be answerable
- 8 for any damage which may arise from the non-observance
- 9 of this provision.
- 1 Sec. 13. And be it further enacted, That when
- 2 steamers navigating rivers or narrow or difficult channels,
- 3 and from darkness, fog, or any other cause, there is any
- 4 just reason to fear collision or other accident from meet-
 - 5 ing and passing each other, they shall observe the follow-
 - 6 ing regulations, when they meet and pass under such cir-
 - 7 cumstances, to wit:
 - 8 The descending vessel shall drift, using only so much
 - 9 steam as shall be necessary to keep her steerage, and if
- 10 no signal is given, either each shall pass to the right leav-
- 11 ing the other on the left. But if this mode of passing
- 12 shall be unsafe, the boat objecting to it shall give notice
- 13 by a distinct and strong stroke upon the bell, which the
- 14 other shall answer by a similar stroke, they shall pass to
- 15 the left instead of the right, which signal shall be repeated
- 16 at short but distinct intervals till answered; but if a pas-
- 17 sage is unsafe or impracticable, by reason of the narrow-

- ness of the channel or from other cause, the boat in such channel shall ring her bell rapidly, and the other shall give way to her and let her pass; but if both boats are entering or have entered such a channel, the ascending boat shall give way to the descending boat, and no vessel shall be justified in coming into conflict with another, if it can be avoided.
 - SEC. 14. And be it further enacted, That whenever 1 damage is sustained by any person in his property or per-2 $son\ from\ explosion,\ fire,\ collision,\ or\ other\ cause, the\ master$ 3 and the owners, or either of them, and the vessel, shall be li-4 able to each and every person so injured, to the full amount 5 of damage, if it happened through any neglect to comply 6 with the provisions of law, or through known defects or 7 imperfections of the steaming apparatus, or of the hull, 8 or through carelessness and inattention, or through rash 9 or unlawful conduct on the part of any officer, engineer, 10 or pilot. 11
 - 1 or pilot.

 1 Sec. 15. And be it further enacted, That the inspectors of the several districts shall be compensated for their services as follows, to wit: In the Districts of New York and New Orleans they shall have twelve hundred dollars each; in the Districts of Cincinnati, St. Louis, Louisville, Buffalo, and Chicago, they shall have eight hundred dollars

- 7 each; in the Districts of Pittsburg, Cleveland, Detroit,
- 8 Milwaukie, Mobile, Savannah, Charleston, Baltimore,
- 9 Philadelphia, and Boston, five hundred dollars each; in
- 10 the districts of Portland, Newport, New Haven, Norfolk,
- 11 Wheeling and Nashville, four hundred dollars, which
- 12 compensation shall be in full for all annual service, and
- 13 be paid in the same manner as that of custom house of-
- 14 ficers.
 - 1 Sec. 16. And be it further enacted, That each in-
 - 2 spector shall keep an accurate account of every steamer
 - 3 boarded by him during the year, and of all his official acts
- 4 and doings, which in the form of a report he shall com-
- 5 municate to the collector on the first days of May and
- 6 November, in each year.
- 1 Sec. 17. And be it further enacted, That if the mas-
- 2 ter of any vessel, propelled in whole or in part by steam,
- 3 [owned in whole or in part by a citizen of the United States
- 4 of America, or by a citizen of any foreign country, and
- 5 navigating the waters of the United States, or sailing to or
- 6 from any port in the United States] bound on a voyage
- 7 of more than hours, shall take on board
- 8 such vessel a greater number of passengers than in the
- 9 following proportion to the space occupied by them and
- 10 appropriated for their use, and unoccupied by stores or

other goods not being the personal baggage of such pas-11 sengers, that is to say, one passenger for every twelve 12 clear superficial feet of deck, whether the same be for deck 13 or cabin passengers, every such master shall be deemed 14 guilty of a misdemeanor, and be liable to the penalty pro-15 vided for in the first section of the act passed twenty-16 second of February, one thousand eight hundred and forty-17 seven, entitled "An act to regulate the carriage of passen-18 gers in merchant vessels." And this act shall take effect 19 on the first day of April, one thousand eight hundred and 20 fifty-one. 21

Passed the House of Representatives: September 25, 1850.

Attest: RICHARD M. YOUNG, Clerk.

H. R. 386.—4